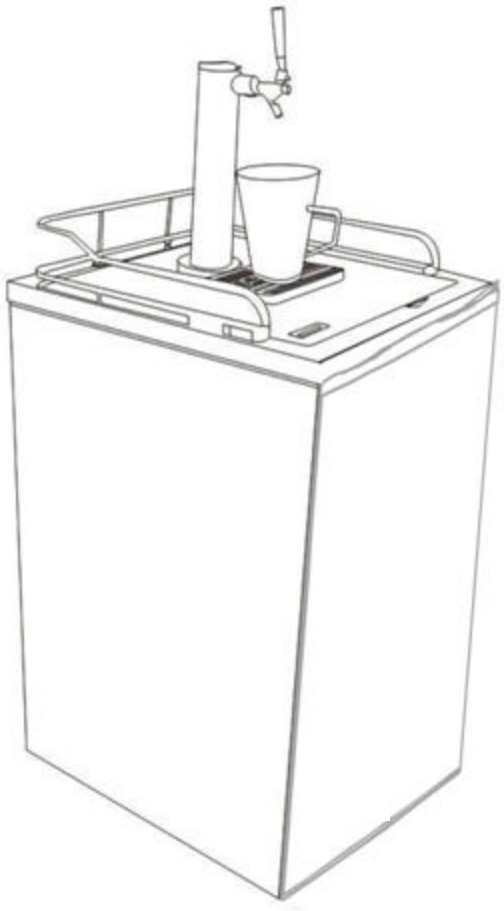
EQUATOR®
ADVANCED Appliances

BEER COOLER

Model No. BCR 500

OWNER'S MANUAL



To ensure proper use of this appliance and your safety, please read the following instructions completely before operating this appliance.

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WARRANTY INFORMATION

Your appliance is protected by this warranty under normal, personal, family or household use for One Year in the USA and Canada.

WARRANTY

Equator Advanced Appliances undertakes to the consumer-owner to repair or, at our option, to replace any part of this product which proves to be defective in workmanship or material under normal personal, family or household use, in the USA and Canada, for a period of one year from the date of original purchase. During this period, we will provide all labor and parts necessary to correct such defect, free of charge, if the appliance has been installed and operated in accordance with the Equator Advanced Appliances' written instructions with the appliance. Ready access to the appliance, for service, is the responsibility of the consumer-owner.

EXCLUSIONS

In no event shall the Equator Advanced Appliances be liable for incidental or consequential damages or for damages resulting from external causes such as abuse, misuse, incorrect voltage or acts God. This warranty does not cover service calls which do not involve defective workmanship or materials covered by this warranty. Accordingly, diagnosis and repair costs for a service call which does not involve defective workmanship or materials will be the responsibility of the consumer-owner.

Specifically, the following work is not covered under warranty and does not constitute warranty work:

- **Installation – e.g. improper hook-up of CO_2 cylinder or beer keg or leveling**
- **Maintenance – e.g. keeping the unit clean**
- **Damage – e.g. re placing broken parts**

Most work is covered. The defining factor is, has the machine malfunctioned (Equator Advanced Appliances is responsible) or has the customer omitted or done something to cause machine to malfunction (customer is responsible). Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

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WARRANTY SERVICE

This warranty is given by:

Equator Advanced Appliances
2801 W Sam Houston Parkway N, Ste. 125
Houston, TX 77043-1611
Tel: 713-464-3422
Fax: 713-464-2151
Toll Free: 800-935-1955
Website: www.EquatorAppliances.com

Service under this warranty must be obtained in the following way:

Call an Authorized Service Agent (obtain number of nearest agent from your dealer or by calling 1-800-776-3538). Under normal circumstances, Service will be provided during regular business hours (9:00 a.m. to 5:00 p.m. weekdays).

GENERAL

Since it is responsibility of the consumer-owner to establish the warranty period by verifying the original purchase date, the Equator Advanced Appliances recommends that a receipt, delivery slip or some other appropriate payment record be kept for that purpose. Remember to send in your Warranty Registration Card so that a proof of your purchase exists with the Equator Advanced Appliances.

You can also register online at **www.appliancedesk.com/warranty**. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

Customer Comments are welcome by emailing us at **mail@EquatorAppliances.com**

SERVICE & SUPPORT

Service:	1-800-776-3538 custserv@appliancedesk.com
Parts & Accessories:	1-888-483-9627 parts@appliancedesk.com
Website:	www.appliancedesk.com

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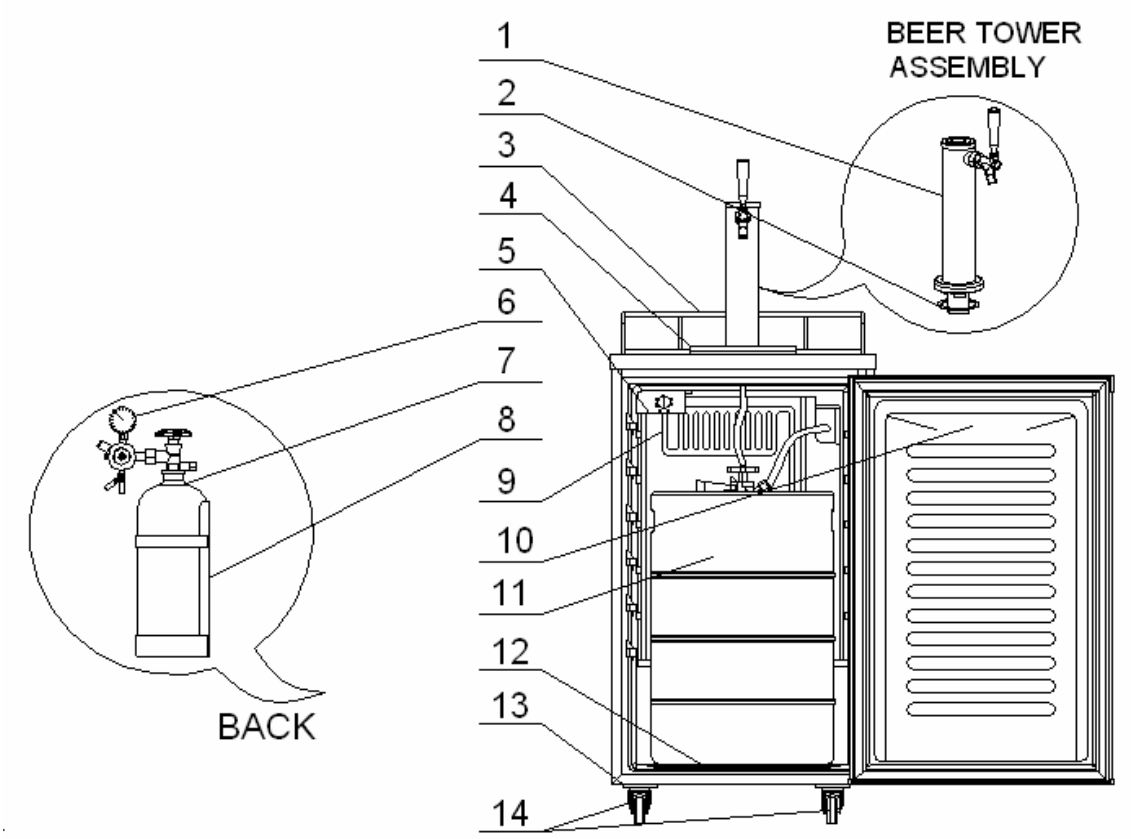
NAMES OF THE PARTS

MODEL NO.: BCR500



1 Beer Tower
2 Plastic Gasket
3 Safety Guard Rail
4 Drip Tray
5 Adjustable Thermostat
6 CO_2 Regulator
7 CO_2 Gas Cylinder
8 CO_2 Gas Cylinder Support
9 Evaporator
10 Reversible Door
11 Beer Keg (not included)
12 Metal Plate
13 Metal Gasket(2)
14 Casters with Lock (4)

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IMPORTANT SAFETY INSTRUCTIONS

⚡ WARNING ⚡	To reduce the risk of fire, electrical shock, or injury when using your Beer Cooler, follow these basic precautions:

- Read all instructions before using the unit.
- **DANGER or WARNING:** Risk of child entrapment.
- To avoid the possibility of child entrapment, please take the following precautions before throwing out the appliance.
  - Remove all doors from the unit.
  - Leave the shelves in place so that children may not easily climb inside.
- **Before you throw away your old unit:** Take off the doors. Leave the shelves in place so that children may not easily climb inside.
- Never allow children to operate, play with, or crawl inside the unit.
- **Refrigerants:** All refrigeration products contain refrigerants, which under the guidelines of federal law must be removed before disposal of product. It is the consumer's responsibility to comply with federal and local regulations when disposing of this product.
- Never clean unit parts with flammable fluids. The fumes can create a fire hazard or explosion.
- Do not store or use gasoline or any other flammable vapors and liquids in the vicinity of this or any other unit. The fumes can create a fire hazard or explosion.

-Save these instructions-

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INSTALLATION INSTRUCTIONS

- **Before Using Your Beer Cooler**
  - Remove the exterior and interior packing.
  - Check to be sure you have all of the following parts:
    - Instruction manual
    - 1 Safety Guard Rail
    - 1 Drip Tray (2 Pieces)
    - 1 CO_2 Cylinder Support
    - 1 CO_2 Regulator (Box)
    - 1 CO_2 Empty Cylinder (Box)
    - 1 CO_2 Air Line Hose (Red)
    - 1 Beer Keg Coupler (Box)
    - 1 Beer Tower
    - 1 Pull Handle (Beer Tower Faucet)
    - 1 metal wrench
    - 4 Plugs: For Guard Rail Holes
    - 1 Metal Plate For Cabinet Bottom
    - 2 Steel wire shelves
    - 1 Steel Clamp for Red Hose
    - 4 Casters with lock
  - Before connecting the Beer Cooler to the power source, let it stand upright for approximately 2 hours. This will reduce the possibility of a malfunction in the cooling system from handling during transportation.
  - Clean the interior surface with lukewarm water using a soft cloth.

- **Installing Your Beer Cooler**
  - This appliance is designed to be free standing only, and should not be recessed or built-in.
  - Place your Beer Cooler on a floor that is strong enough to support the Beer Cooler when it is fully loaded.
  - Allow 3 inches of space between the back and sides of the Beer Cooler, which allows the proper air circulation to cool the compressor.
  - Locate the Beer Cooler away from direct sunlight and sources of heat (stove, heater, radiator, etc.). Direct sunlight may affect the acrylic coating and heat sources may increase electrical consumption. Extreme cold ambient temperatures may also cause the Beer Cooler not to perform properly. This unit is not designed for outside installation (ie garages, porches etc.)
  - Avoid locating the Beer Cooler in moist areas.
  - Plug the Beer Cooler into an exclusive, properly installed-grounded wall outlet. Do not under any circumstances cut or remove the third (ground) prong from the power cord. Any questions concerning power and or grounding should be directed toward a certified electrician or an authorized service center.
  - After plugging the appliance into a wall outlet, allow the unit to cool down for 2-3 hours before placing any contents in the Beer Cooler compartment.

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- **Electrical Connection**

> **Warning**
> Improper use of the grounded plug can result in the risk of electrical shock. If the power cord is damaged, have it replaced by an authorized service center.

This Beer Cooler should be properly grounded for your safety. The power cord of this Beer Cooler is equipped with a three-prong plug which mates with standard three prong wall outlets to minimize the possibility of electrical shock.

Do not under any circumstances cut or remove the third ground prong from the power cord supplied.

Use of extension cords is not recommended.

This Beer Cooler requires a standard 115/120-volt, 60Hz electrical outlet with three-prong ground. The cord should be secured behind the Beer Cooler and not left exposed or dangling to prevent accidental injury.

Never unplug the Beer Cooler by pulling the power cord. Always grip the plug firmly and pull straight out from the receptacle.

Warning
CO_2 GAS CAN BE DANGEROUS

WARNING: CO_2 cylinders contain high-pressure compressed gas which can be hazardous if not handled properly. Make sure you **READ** and **UNDERSTAND** the following procedures for CO_2 cylinders **BEFORE INSTALLATION**.

1. **ALWAYS** connect the CO_2 cylinder to a regulator. Failure to do so could result in explosion with possible injury when the cylinder valve is opened.
2. **NEVER** connect the CO_2 cylinder directly to the product container.
3. **ALWAYS** follow correct procedures when cylinders are changed.
4. **ALWAYS** secure the cylinder in an upright position.
5. **NEVER** drop or throw a CO_2 cylinder.
6. **ALWAYS** keep a CO_2 cylinder away from heat. Store extra cylinders in a cool place (preferably 70°F). Securely fasten with a chain in an upright position when storing.
7. **ALWAYS** ventilate and leave the area immediately if CO_2 leakage has occurred.
8. **ALWAYS** check the D.O.T. test date on the cylinder neck before installation. If over five (5) years, do not use, return cylinder to gas supplier.
9. **NEVER** connect a product container unless there are two (2) safety's in the pressure system:
    a. One at or on the CO_2 regulator
    b. One at or on the product coupler or in the pressure gas line.

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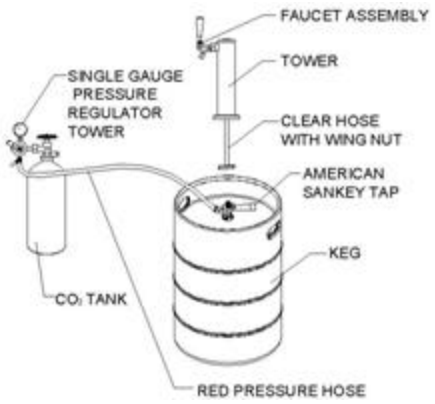
INSTALLATION INSTRUCTIONS FOR BEER KEG

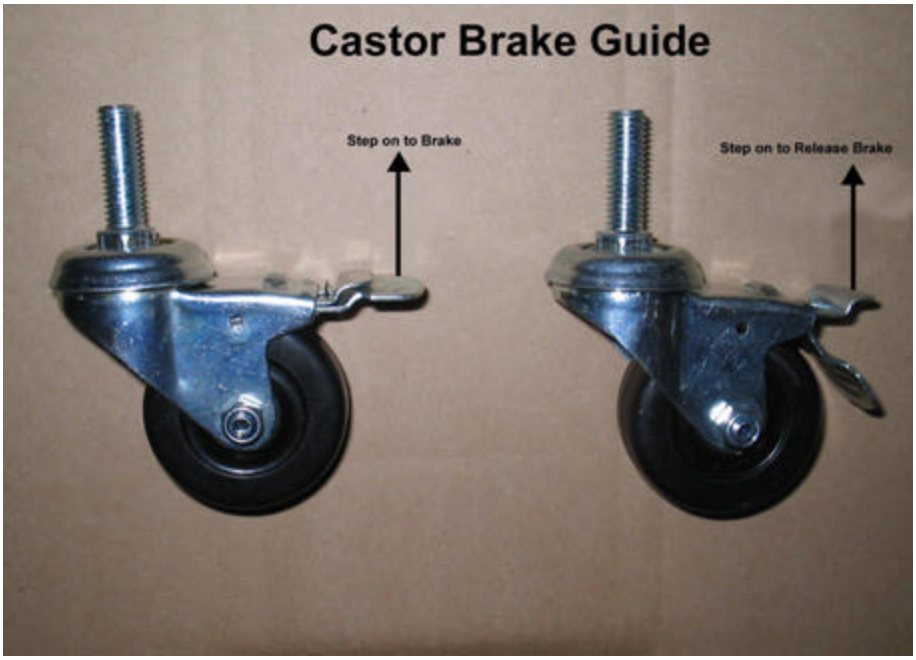
Installation Diagram



Installing the Casters

- Install the four casters with lock provided into the units bottom (four screw holes pre-supplied) The two metal gaskets are used for the front two Casters.

(I) Before Installation **(II) Installation with Casters**



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Installing the CO_2 Cylinder Support

- Install the metal support provided onto the 4 studs located on the exterior back wall. Align the holes in the support with the studs and push down firmly. (See Figure 1)

Installing the CO_2 Cylinder

- Install your fully charged cylinder into the support stand.

Installing the CO_2 Regulator

- Attach the CO_2 regulator to the cylinder by turning the regulator nut onto cylinder valve, making sure washer is securely inserted into connecting nut. Tighten snug using an adjustable wrench (not supplied) and assure there are no leaks. (See Figure 2)

Installing the CO_2 Air Line Outside Cabinet

- Remove plug located at the exterior back (top left hand corner).
- Save it for later use if you decide to convert unit to an all refrigerator.
- Insert the open end of the air line (red) line the cabinet through the uncovered hole. (See Figure 4)

Installing the CO_2 Air Line Hose To Regulator

- Attach the open end of the red hose to the hose barb connection on the regulator
- Secure hose by using one clamp provided. Use pliers/screwdriver to tighten clamp to prevent leaks. (See Figure 3)

Installing the Beer Tower

- Remove the top plug by twisting and pulling out, saving it for later use if you decide to convert unit to an all refrigerator unit.
- Unravel the beer line (clear hose) from the tower and insert the beer line and wing nut through the uncovered hole on top.
- Lock the beer tower assembly to the top and make sure to position the beer faucet so it is aligned with the cabinet front (6 o'clock position). You accomplish this by aligning the bottom of the beer tower to the 3 grooves on the top cabinet and tighten by hand clockwise to properly lock.

Installing the Protective Metal Plate

- This plate should always be installed when the keg is in place to protect against unnecessary damage to the floor of the cabinet.

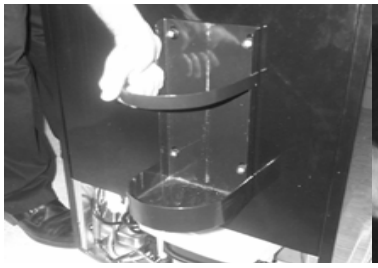

Fig. 1

Fig. 2

Fig. 3

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Installing the Beer Keg

- Position the beer keg directly in front of the open door. Using keg handles only, carefully lift the beer keg. (See Figure 5)
- To place the beer keg inside the cabinet, brace your knees behind the beer keg. Lift the front of the keg just enough so the front edge of the keg is resting on the front edge of the Beer Cooler bottom cabinet. (See Figure 6)
- Grasp the keg handles and slide it all the way into the cabinet.

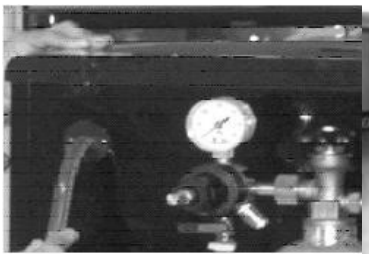
Fig. 4

Fig. 5

Fig. 6

Installing the Keg Coupler

- Insert the keg coupler provided into the locking neck of the beer keg and turn it clockwise to lock into position, making sure the keg coupler is in the closed position. (See Figure 7)

Installing the CO_2 Air Line Hose

- Attach the end of the air line (red) hose provided to the hose connection on the keg coupler. Secure hose by using the clamps and make sure there are no leaks.

Connecting the beer tower to coupler

- Make sure the washer is properly inserted into the wing nut.
- Place wing nut into the top of the coupler turning until tight.

How to Tap a Keg of Beer

- Make sure the beer tower faucet is in the closed position.
- Pull tapping handle out and press downward until it locks into position. (See Figure 8) The keg is now tapped.

Opening the CO_2 Cylinder Main Valve

- Before doing that, make sure the secondary shut-off valve is closed, as shown in figure 9. To open the main CO_2 cylinder valve, slowly turn the main valve counter-clockwise until fully open.
- Notice the needle on the gauge start to climb.

Adjusting the CO_2 Regulator

- The gauge monitors low internal keg pressure and should be adjusted to read between 10 -12 psi. (See Figure 10)
- In order to do that:
  1. Release adjustment lock nut marked 2.
  2. Using a flat screwdriver, turn regulator screw marked 3. If increased low pressure is sought, rotate screw clockwise. By rotating it counter clockwise, low pressure will be decreased when the required operating pressure is attained, retighten lock nut 2.
  3. Open secondary shut off valve to let CO_2 flow into the keg.

Fig. 7

Fig. 8

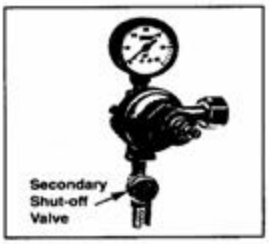

Fig. 9

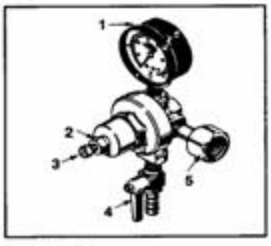

Fig. 10

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- **Spanner Faucet Wrench**

Spanner faucet wrench provided for either removing or tightening connection

- **Plastic Faucet Lever**

Attach the black plastic lever (pull handle) provided on the top of the faucet tightening it by hand dockwise until the end, holding in the silver snug underneath so it does not move.
If there is still a small drip from the faucet, you may have tightened the plastic lever too much and may need to unscrew silver snug counter - clockwise (as shown) one turn. That should correct the problem if exists.

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DISPENSING OF BEER

- Keep beer keg refrigerated at all times.
- Never allow beer lines to dry out.
- Use clean beer glassware before pouring.
- Hold glass at a 45° angle when 2/3 full, start to straighten glass as the glass fills.
- Always make sure the faucet handle is pushed all the way back.

Note: Keg sizes that can be used in your beer dispenser

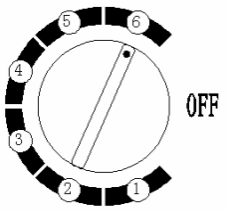
1/2 barrel	59 Liters	15.5 gals	1984 oz.	164/12-oz. Glass
1/4 barrel	30 Liters	7.8 gals.	992 oz.	82/12-oz. Glass
1/6 barrel	20 Liters	5.2 gals.	661 oz.	55/ 12-oz. Glass
1/8 barrel	15 Liters	4.0 gals.	496 oz.	41/ 12-oz. Glass

Note: Our Beer dispenser accepts almost all, Brand Name ½ kegs. However Coors' kegs do not fit in our unit.

OPERATING YOUR BEER COOLER

➢ **Setting The Temperature**

To start, turn the temperature control knob to the maximum setting (6). Allow the unit to run for 3 hours at the maximum setting. After 3 hours, adjust the temperature control to the desired setting. The range of temperature control is from position "1" the warmest to "6" the coldest Temperature range of the thermostat goes from 36°F to 45°F (2.2ºC to 7.2 ºC)..



Optimum temperature for serving Draft beer is between 34° F – 38°F (1.1ºC – 3.3ºC) and that is a key factor to consider in storing and dispensing Draft beer. Setting thermostat knob position between "4" and "5" should be appropriate for optimal beer serving temperature.

To turn off the Beer Cooler, rotate the control knob to the "OFF" position.

Note: Keep an accurate thermometer handy and adjust temperature control setting as necessary or according to your needs.

Automatic Defrosting

There is no need to defrost the Beer Cooler. Defrost water collects and passes thru the drain outlet in the rear wall into a tray located above the compressor, where it evaporates.

NOTE: If the unit is unplugged, power lost, or turned off; you must wait 3 to 5 minutes before restarting the unit. If you attempt to restart before this time delay, the Beer Cooler may not start.

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- **Converting To An "All Refrigerator"**
  1. Turn off the control knob to the "OFF" position.
  2. Close the main valve on the CO_2 cylinder.
  3. Close the secondary shut-off valve on the regulator pipe.
  4. Close the connection between the beer keg and the keg coupler.
  5. Drain any remaining beer from the lines.
  6. Disconnect the beer line and CO_2 air line from the keg coupler
  7. Remove the beer keg.
  8. Remove the keg coupler.
  9. Disconnect the air line from the CO_2 cylinder.
  10. Remove the CO_2 air line from cabinet plug
  11. Replace the air line rear cabinet plug
  12. Remove the beer tower. Also pull the beer line thru the top of the cabinet
  13. Replace the top cabinet plug
  14. Adjust temperature as desired.

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CHANGING THE REVERSIBLE DOOR

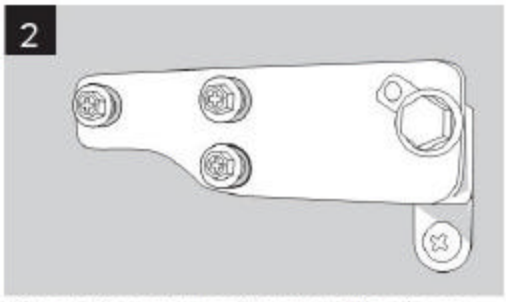
This Beer Cooler has the capability of either opening the door from the left or right side. The unit is delivered to you with the door opening from the left side. Should you desire to reverse the opening direction, please follow below instructions.

Caution: To avoid personal injury to yourself and/or property, we ecommend that someone assist you during the door reversal process.

1

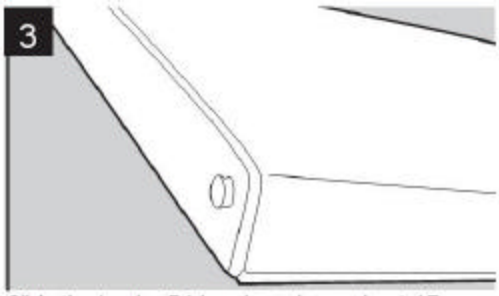
Undo the three screws in each bracket using the Phillips screwdriver.

2



Remove the screws and bracket. Place to one side.

3

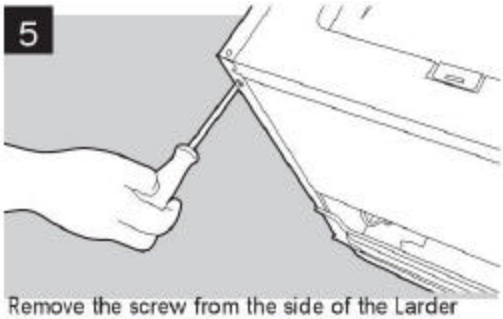


Slide the Larder Fridge door down about 15cm [6"] and off the top hinge pin and lift away from the Freezer.

4

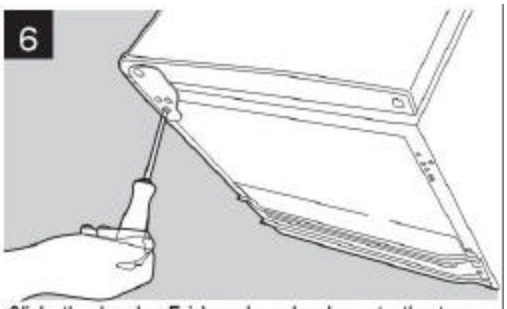
Using the flat bladed screw driver remove the pin from the top bracket. Replace it in the hinge bracket on the opposite side.

5



Remove the screw from the side of the Larder Fridge where the bracket is to be re-fitted and replace on the other side.

6



Slide the Larder Fridge door back on to the top hinge, making sure it's the right way up.
Screw the bottom hinge into place on the new side.

7 Check that door is aligned horizontally and vertically and that the seals are closed on all sides before finally tightening the bottom hinge.
Re-adjust the levelling feet.

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CARE AND MAINTENANCE

➢ **Cleaning Your Beer Cooler**

- Turn the temperature control to "OFF", unplug the Beer Cooler, and remove the contents.
- Wash the inside surfaces with a warm water and baking soda solution. The solution should be about 2 tablespoons of baking soda to a quart of water.
- Wash the shelves and stand with a mild detergent solution.
- Wring excess water out of the sponge or cloth when cleaning area of the controls, or any electrical parts.
- Wash the outside cabinet with warm water and mild liquid detergent. Rinse well and wipe dry with a clean soft cloth.

➢ **Vacation Time**

- **Short vacations:** Leave the Beer Cooler operating during vacations of less than three weeks.
- **Long vacations:** If the appliance will not be used for several months, remove all contents and unplug the power cord. Clean and dry the interior thoroughly. To prevent odor and mold growth, leave the door open slightly: blocking it open if necessary.

➢ **Moving Your Beer Cooler**

- Remove all the contents.
- Securely tape down all loose items inside your Beer Cooler.
- Tape the door shut.
- Be sure the Beer Cooler stays secure in the upright position during transportation. Also protect outside of Beer Cooler with a blanket, or similar item.

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TROUBLESHOOTING GUIDE

You can solve many common Beer Cooler problems easily, saving you the cost of a possible service call. Try the suggestions below to see if you can solve the problem before calling the servicer.

PROBLEM	POSSIBLE CAUSE
Beer Cooler does not operate.	Not plugged in. The circuit breaker tripped or blown fuse.
Turns on and off frequently.	The room temperature is hotter than normal. The door is open too often. The door is not closed completely. The temperature control is not set correctly. The door gasket does not seal properly. The Beer Cooler does not have the correct clearances.
Vibrations. The Beer Cooler seems to make too much noise.	Check to assure that the Beer Cooler is level. The rattling noise may come from the flow of the refrigerant, which is normal. As each cycle ends, you may hear gurgling sounds caused by the flow of refrigerant in your Beer Cooler. Contraction and expansion of the inside walls may cause popping and crackling noises. The Beer Cooler is not level.
The door will not close properly.	The Beer Cooler is not level. The door was reversed and not properly installed. The gasket is dirty. The shelves or stand are out of position.

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